

FCS Restructure “One Team Perspective”

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**“One Team - Equipping Our Joint
Warfighters With The
World’s Best Capability”**

Accelerating FCS Capabilities:

Revised Strategy to Meet the Needs of the Army at War



Capabilities: Spirals capabilities to the current force

Funding: \$9B available for reinvestment in Spiraling Technology into Current Force

Schedule: Sets Program up for success.....supports modularity

Risk: Allows for technology maturation...reflects Cost and Analysis Improvement Group (CAIG) integration concerns (Hardware and Software)

**This is about getting FCS Right
Sustaining Transformation and Spiraling
Capabilities to the Current Force**

Overarching Acquisition Strategy

- **Buy** Future Combat Systems; **Equip** Soldiers; **Field** Units of Action (UA)
- Embrace Evolutionary Acquisition while Requirements Mature
- Contracting via Lead Systems Integrator
- Demonstrate-Live and Virtual-Force Operational Capabilities of the UA
- Balance Test and Evaluation with Modeling and Simulation
- Sustain DARPA/Army Collaborative Relationship for the Future
- Expand to Joint, Interagency, and Coalition Partners
- Design for Supportability-Performance-Based Logistics
- **Accelerate fielding of FCS capability to the Current Force**
- Identify and Manage Risk throughout the Program

It is about the Networked System of
Systems

for Current and Future Forces
and how it enables Dominant Land
Combat

Key Tenets of the Program

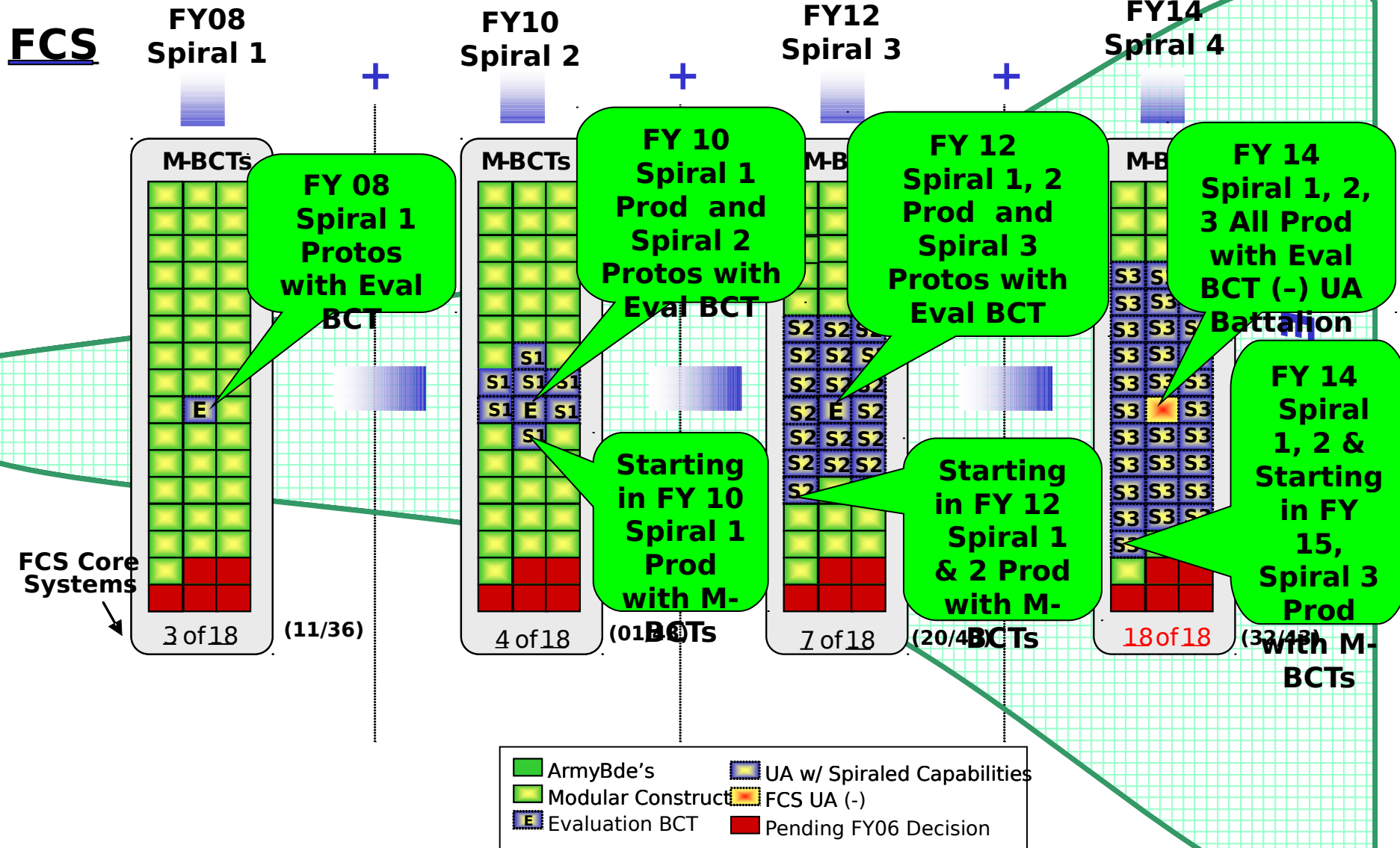
- Create Opportunity for **Best of Industry** to Participate
- Leverage Government **Technology** Base to Maximum Extent
- **Associate** On-Going Enabling Efforts With LSI-Led Activity
- **Collaborative Environment** from Design Through Life Cycle
- As a Minimum, **Commonality** at Subsystem/Component Level
- Design/Plan for **Technology Integration and Insertion**
- Maintain and Shape the **Industrial Base** for the Future
- Retain **Competition** throughout Future Force Acquisition
- Appropriate **Government Involvement** in Procurement Processes
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- Program **Affordability — Balance Performance and Sustainment**

The tenets remain constant:
Applying them to the Current and Future Force

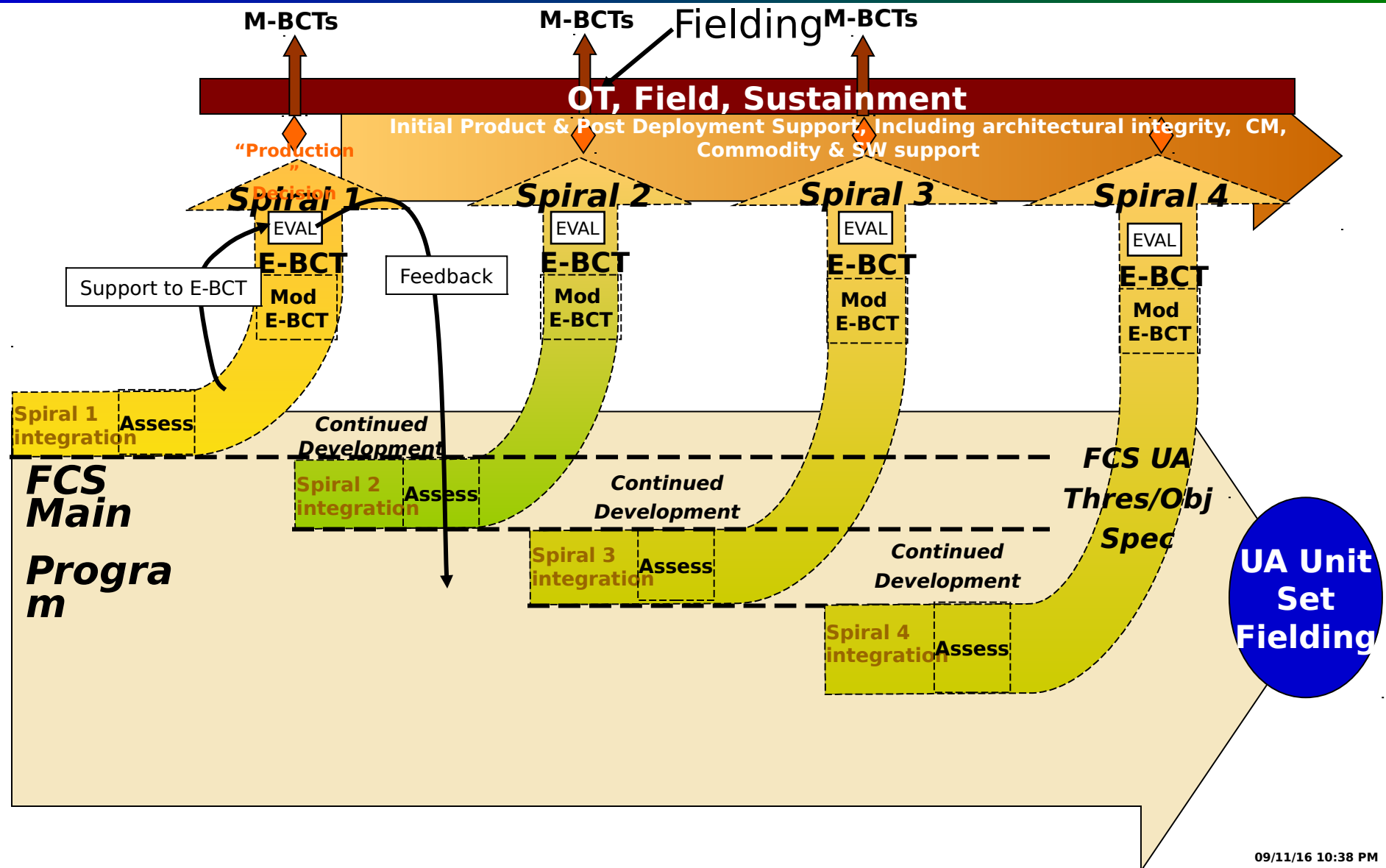
Key Objectives

- Preserve the **Systems of Systems** focus, and **Field** all (to include currently deferred systems) FCS Systems plus the network, at threshold capability by 2014
- **Field Future Force capabilities to Current Force units** in discrete “spirals” starting in FY08, and provide networked capability to UAs (FCS-equipped UA) by 2014
- **Prioritize** the development and demonstration of the network and SOSCOE, unattended munitions, sensors, and unmanned air and ground vehicles
- Embrace evolutionary acquisition through **Spiral Development** employing a design, build, experiment, and test approach in concert with the user, vice the current concurrent developmental construct.
- Increase **Schedule** (original scope intact, plus additional scope for experimentation/Spiral out), to address internal and external assessment recommendations and provide Army with near-term funds required for current operations
- Deliberately identify and assess **Spiral out** candidate technologies/capabilities for integration into Current Force Units of Action.
- Incorporate a deliberate and robust design, build, experiment, and test approach to **Build Knowledge**, adequately inform **Decision Points**, facilitate assessment of spin-offs, provide feedback to software development, integration & verification, user activities and user tests
- Invest in Technology Maturity and reliability enhancement activities to reduce cost and schedule risk

Acceleration Process



FCS Revised Program

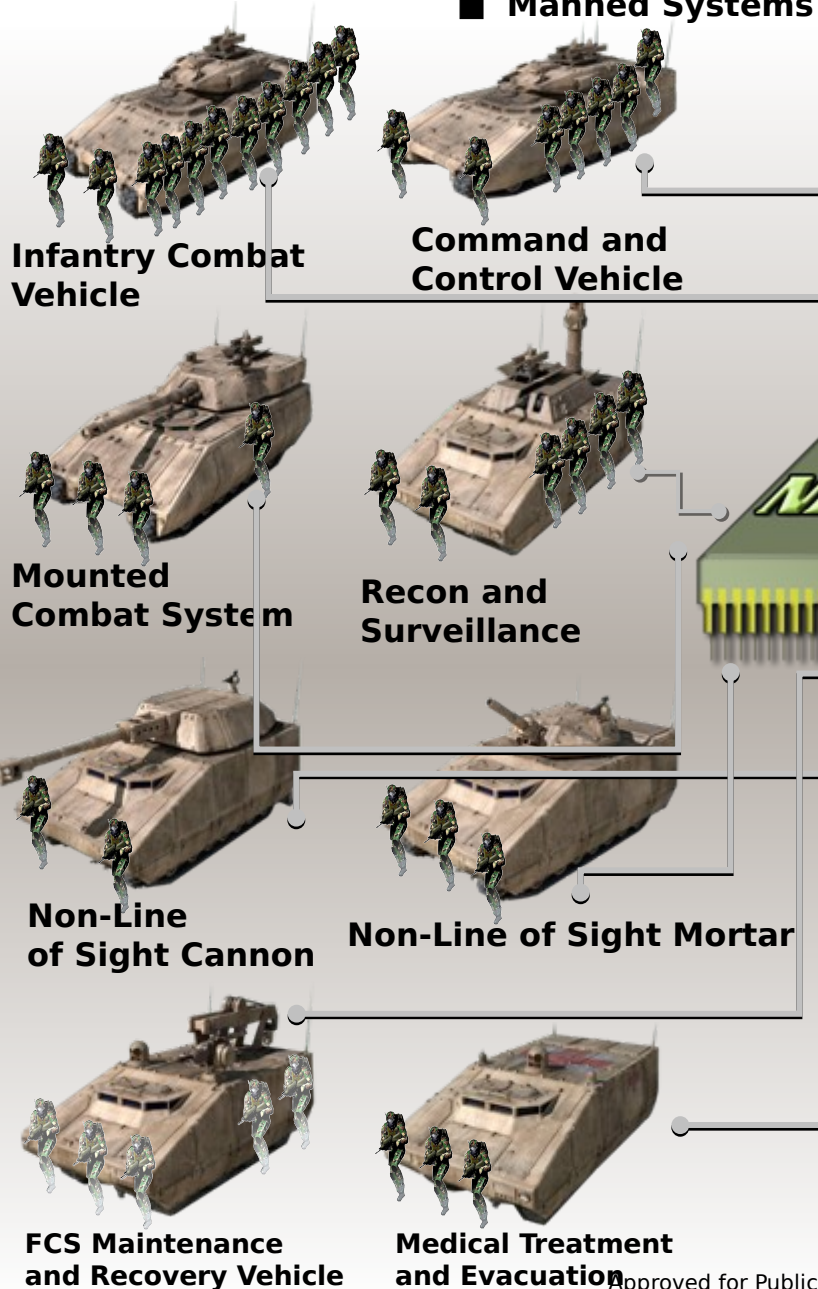


FCS Program Adjustments

- **Previously deferred FCS systems returned to FCS development**
 - UAV Class II
 - UAV Class III
 - Armed Robotic Vehicle (ARV)-Assault
 - ARV-Reconnaissance
 - FCS Maintenance and Recovery Vehicle
- **Experimentation inserted into program to prove revolutionary concepts, mature architecture and components and assist spiral development**
- **"Spiral Out" packages start in FY 2008 and will successively insert FCS capability into Current Force Modular Units of Action**

FCS Increment I

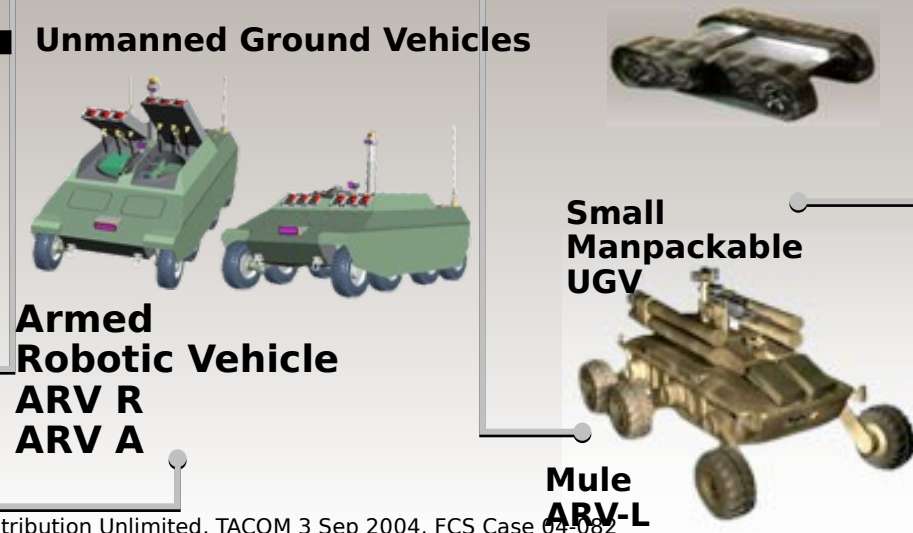
■ **Manned Systems**



■ **Unmanned Air Platforms**



■ **Unmanned Ground Vehicles**



FCS LSI and Partner Opportunities

- Opportunities for LSI and partners listed or linked to FCS website
- FCS is pursuing innovative ways for maximizing Small Business involvement in upcoming competitions for previously deferred systems
 - Unmanned Aerial Vehicles (UAVs) Class II, and III RFPs Q1 '05
 - **Source Selection Criteria may reward SB content and SB teaming**
- LSI Spiral Development and Technology Planning (SD&TP) IPT will participate in the 8th Annual Army Small Business Conference
 - High interest technologies to the FCS program to be identified
 - Focus on innovative technology enablers for systems that are lightweight, inexpensive, mobile, lethal, reliable, sustainable, network-centric, and inter-operable
 - Soliciting technical “white papers” beginning Q1 '05
- Logistics (2005)
 - Interoperability Kits

Opportunities (continued)

- Opportunities exist for 2nd and 3rd tier support to recent, pending and future selections
 - Ground Sensor 2nd tier suppliers just announced for:
 - **Multifunction RF System, Combat ID System, Reconnaissance & Surveillance Mast, Medium Range EO/IR System, and Automated Target Recognition System.**
 - MGCV Competitions
 - **Propulsion (announcement pending)**
 - **Track Drive System (RFP Q4 '04)**
 - **Liquid Cooled Power Module (RFP Q4 '04)**
 - **Guns and Ammo Handling Systems (announcement Q3 '04)**
 - Air Sensors (RFP Q4 '04)
 - Unmanned Ground Vehicle subsystems/component competitions will begin Q1 '05
 - Air & Ground Communications: Antennas & other equipment RFPs beginning Q4 '04
- Previously selected Armed Reconnaissance Vehicle (ARV) with United Defense to enter System Development and Demonstration

How to Get Involved with FCS



- **Regularly check the FCS Website Home Page at:**
[**www.boeing.com/fcs**](http://www.boeing.com/fcs)
- **Located on this website:**
 - **FCS Business Opportunities of the LSI and 23 Partners (Contacts with websites)**
 - **Information on Submitting Unsolicited Proposals**
 - **Partners' Requests for Quotes / Information**
 - **FCS Business Opportunities**
 - **FCS Supplier Information Submittal Form**
 - **Supplier Diversity information (specific LSI / Partner Small Business contacts provided in FCS Business Opportunities Brochure)**
 - **FCS calendar with upcoming conferences and events**
 - **Submit Questions to LSI and Partners**

Looking Forward

“Outstanding efforts to date have allowed the Army to accelerate spiral capability to the current force”

- The One Team partnership is working**
- Our mission has been expanded due to confidence in our performance**
- This is a good thing...For the Army, for Industry and for the Soldier**

One Team - “Equipping our Joint Warfighters with the World’s Best Capability”